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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/530,141

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Marco Anselmi

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09/04/2007

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EXAMINER

ANGADI, MAKI A

ART UNIT

PAPER NUMBER

1765

MAIL DATE

DELIVERY MODE

09/04/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/530,141	Applicant(s) ANSELM ET AL.	
	Examiner Maki A. Angadi	Art Unit 1765	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 June 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 and 9-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 14 and 9-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date: _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

Examiner acknowledges the cancellation of claims 5-8 in the reply filed on 6/14/2007. The claim objection for claims 5-8 is withdrawn.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) The invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1-4 and 9-15 are rejected under 102(e) as being anticipated by Kool (US Patent No. 6,833,328).

As to claims 1 and 3, Kool discloses an aqueous composition for the chemical removal of metallic coating present on the blades of turbines that includes (col.1, lines 7-12) that includes hexafluorosilicic acid in the range of about 0.05 to about 5M (col.2, lines 1-5) 23 wt% Examples 1-6 and phosphoric acid (col.2, lines 13-15) in the range of about 0.1M to about 20M (col.4, lines 30-35), 25 vol.% Example 1 that corresponds to the overlapping range cited by the applicant.

As to claims 2, 4 and 15, Kool discloses an aqueous composition that includes hydrochloric acid (col.4, lines 10-12) in the range of about 0.1M to about 20M (col.4, lines 30-33), 12.5 vol.% (Example 4).

As to claims 13-14 Kool discloses the removal of metallic surfacing that include nickel and/or oxidized metallic surfacing on gas turbine blades (Example 1-5, col.6-7) and the said composition is used at a temperature of 45-90°C for about 3 hours to about 12 hours (Examples 1-5, col.6-7, claim 19). The cited temperature and time period are within the overlapping range cited by the applicant.

As to claims 9-10, Kool discloses an aqueous composition for the chemical removal of metallic coating present on the blades of turbines that includes (col.1, lines 7-12) that includes hexafluorosilicic acid in the range of about 0.05 to about 5M (col.2, lines 1-5), 75 vol.% (col.6, Example 1-6, and phosphoric acid (col.2, lines 13-15) in the range of about 0.1M to about 20M (col.4, lines 30-35), 25 vol.% (Example 1-6) that corresponds to the overlapping range cited by the applicant.

As to claim 11-12, Kool discloses that the metallic surface consists of nickel of oxidized metallic surface coatings on the gas turbine blade (col.2, lines

54-59) and the method of chemically removing metallic coatings such as nickel or oxidized metallic surface coatings (col.3, lines 4-14, Examples 1-6).

Response to Arguments

2. Applicant's arguments filed on 6/14/2007 have been fully considered but they are not persuasive.

Applicants' arguments on pages 6-7 of the reply asserting that the reference of Kool discloses the concentration of hexafluorosilicic acid and phosphoric acid in molarity instead of volume percentage are not convincing. Kool discloses that the concentration of acid expressed in molarity can be converted into volume or weight percentages for ease in preparing the solutions (col.3, lines 53-54). Kool expresses the concentration of acids in volume percentages in Examples 1-6 (col.6-7). One who is skilled in the art should be able to convert the concentration in molarity to volume or weight percentage using appropriated conversion tables in any standard texts. The concentration ranges for acids expressed in Examples 1-6 overlap the range cited by the applicant in independent claims 1 and 9. Kool suggests that the adjustment of the amount of HxAF6 acid and other components is made by observing the effect of particular compositions on coating removal from the turbine blade (col.3, lines 58-61).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maki A. Angadi whose telephone number is 571-272-8213. The examiner can normally be reached on 8 AM to 4.30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine G. Norton can be reached on 571-272-1465. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public

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PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Binh Tran

Dr. Maki Angadi
Examiner
Art Unit 1765